

E 00000J-08-0314
G 00000C-08-0314

ORIGINAL



0000097948

ARIZONA CORPORATION COMMISSION

UTILITY COMPLAINT FORM

Investigator: Brad Morton

Phone: [REDACTED]

Fax: [REDACTED]

Priority: Respond Within Five Days

Opinion No. 2009 - 81121

Date: 8/12/2009

Complaint Description: 08E Rate Cases Items - In Favor
N/A Not Applicable

Complaint By: First: Ted Last: Rushton

Account Name: Ted Rushton Home: (602) 000-0000

Street: [REDACTED] Work:

City: Phoenix CBR:

State: AZ Zip: 85041 is:

Utility Company: Miscellaneous Electric

Division: Electric

Contact Name: Unknown

Contact Phone: (000) 000-0000

Nature of Complaint:

THROUGH COMMISSIONER NEWMAN

Docket No E 00000J-08-0314 / G-00000C-08-0314

From: Sierra Club Membership Services [REDACTED]

Sent: Friday, August 07, 2009 8:50 AM

To: Newman-Web

Subject: Promote a Clean Energy Future for Arizona

Arizona Corporation Commission
DOCKETED

AUG 18 2009

DOCKETED BY [Signature]

ARIZONA CORPORATION COMMISSION
DOCKET CONTROL

2009 AUG 18 A 9:37

RECEIVED

Aug 7, 2009

Commissioner Paul Newman
1200 W. Washington St.
Phoenix, AZ 85007

Dear Commissioner Newman,

Re: Docket Numbers E-00000J-08-0314, G-00000C-08-0314, and
E-01345A-08-0172

I am writing in support of increased energy efficiency requirements as part of the APS rate case settlement agreement and as part of the Commission workshops on energy efficiency. Energy efficiency is the cleanest and cheapest energy source we have. We should maximize efficiency measures and require the utilities to offer programs to assist customers to increase their energy efficiency.

White roofs can become the greatest energy saving innovation in Arizona since sliced bread and the invention of

ARIZONA CORPORATION COMMISSION

UTILITY COMPLAINT FORM

"illegal aliens" - what's more, white roofs won't be deported and are inexpensive compared to other "energy saving" gimmicks.

It's why such a policy will never be adopted.

Arizona politicians and business leaders love the grand impractical

gesture rather than modest pragmatic steps. This is the state that was going to be the site of the Superconducting Super Collider because Arizona has an abundance of empty land; this was the state that was going to be the solar capital of America, instead of New Jersey which now holds the title; this is the state that was going to be the west coast distribution center for imports from Asia, and now has millions of square feet of empty warehouse space because other options are much better.

The drawbacks to Arizona innovation are two-fold; first, politicians and business leaders want a dramatic grand gesture, and second, if an idea is any good some outsider will pay for it. It's how the first flood control project that made life in Phoenix feasible was created; the concept was good enough the federal government paid to build Roosevelt Dam.

Recently, Phoenix Mayor Phil Gordon announced that if the federal government is willing to invest several billion dollars, Phoenix will be happy to become the "solar capital" of America.

Thus, "white roofs" may be a doomed ideas.

Phoenix has become a "heat Island." This means the heat absorbed by asphalt and buildings during the day, plus the heat produced by air conditioning and vehicles, tends to soak into the ground and buildings by day. At night, this "stored" heat radiates back into the atmosphere. The result is an urban "heat island" which is 10 to 15 degrees warmer at night than 40 years ago.

Utility companies love it; the heat island results in many more "degree days" of cooling, which requires ever more energy and which produces ever more profits. This is especially true for Arizona Public Service Co., which is seeking a 9 percent rate hike. Pinnacle West, the corporate parent of APS, stands of lose hundreds of millions of dollars invested in land and warehouses.

The Arizona Corporation Commission, set up at statehood to protect

citizens but now the handmaiden of the utility companies, wants a grand gesture to make it look as if they are big, bold and brave in protecting consumer interests. It's the equivalent of paroling Bernie

Madoff to head a national Consumer Protection Agency - on the ground this would be a "dramatic" gesture.

It's why white roofs will never be suggested, considered or ordered.

It is a small, house by house and business by business, program. It

will take years, perhaps decades, to produce dramatic results. Yet, if

this energy conservation measure was undertaken now, within 20 years it would have a dramatic impact on reducing the nighttime heat island.

Days will be as hot as ever. But if nights return to being naturally cool, as before 1970, the combination of natural cooling and reduction in energy usage will be dramatic. It won't hurt utility profits; but it will have an impact on homeowners and businesses. A white roof immediately cuts the utility bill for that building without any change in night outdoor temperatures; the savings are immediate on an individual basis. Second, as the heat island decreases, the overall energy use will decline.

How to do this? Specify new buildings must have "white roofs" or pay a utility premium. Sedcond, require the utilities to either subsidize or provide cheaper loans to install white roofs.

Third, provide an incentive utility rate for homes and businesses with approved roof coatings.

These are small, individual steps. The material details can be developed by roofers, utility engineers and suppliers of coating materials. It's effective, as seen in Mediterranean buildings that

glisten white in much the same sun that roasts Arizona. It may someday be feasible to come up with a "white asphalt."

The solution is not more "mistlers" which fog water into the air that cools as it evaporates and leaves a sticky humidity as its legacy; nor is it higher electrical efficiency air conditioners; nor is it in telling people to learn to live with the heat. The solution is white paint, or roof coatings, to reflect the heat.

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Thermal imaging shows two of the "hottest" spots in the Phoenix area are South Mountain and the Sky Harbour runways. Not much can be done about the mountain; but, it may be possible to find or develop white skid-proof surfacing for the runways that doesn't diminish the safety and does remove a major donor to the urban heat island.

But, who advocates for individuals in Phoenix?

Everyone wants a bold, dramatic announcement to dazzle everyone, even if the gesture turns out to be largely ineffective. After all, the

important element in politics is to be SEEN doing good, not to actually accomplish anything which might be almost imperceptible for years to come.

Thank you for considering my comments as you make your decisions about increasing energy efficiency in Arizona.

Sincerely,

Ted Rushton

[REDACTED]

Phoenix, AZ 85041-9020

End of Complaint

Utilities' Response:

Investigator's Comments and Disposition:

Opinion docketed.

End of Comments

Date Completed: 8/12/2009

Opinion No. 2009 - 81121

E 00000J-08-0314
G 00000C-08-0314

ARIZONA CORPORATION COMMISSION
UTILITY COMPLAINT FORM

Investigator: Brad Morton

Phone: [REDACTED]

Fax: [REDACTED]

Priority: Respond Within Five Days

Opinion No. 2009 - 81123

Date: 8/12/2009

Complaint Description: 08E Rate Cases Items - In Favor
N/A Not Applicable

First:

Last:

Complaint By: **Karen**

Johnson

Account Name: Karen Johnson

Home: (602) 000-0000

Street: [REDACTED]

Work:

City: Phoenix

CBR:

State: AZ Zip: 85022

is:

Utility Company. **Miscellaneous Electric**

Division: Electric

Contact Name: Unknown

Contact Phone: (000) 000-0000

Nature of Complaint:

THROUGH COMMISSIONER NEWMAN

Docket No E 00000J-08-0314 / G-00000C-08-0314

From: Sierra Club Membership Services [REDACTED]

Sent: Saturday, August 08, 2009 12:51 PM

To: Newman-Web

Subject: Promote a Clean Energy Future for Arizona

Aug 8, 2009

Commissioner Paul Newman
1200 W. Washington St.
Phoenix, AZ 85007

Dear Commissioner Newman,

Re: Docket Numbers E-00000J-08-0314, G-00000C-08-0314, and
E-01345A-08-0172

I am writing in support of increased energy efficiency requirements as part of the APS rate case settlement agreement and as part of the Commission workshops on energy efficiency. Energy efficiency is the cleanest and cheapest energy source we have. We should maximize efficiency measures and require the utilities to offer programs to assist customers to increase their energy efficiency.

I realize that the APS rate case will result in higher electricity rates, but, coupled with the significant increases in

ARIZONA CORPORATION COMMISSION

UTILITY COMPLAINT FORM

energy efficiency, it will help consumers lower overall electric bills. Weatherization, new energy efficient lighting and appliances, and

mitigating the heat island effect can all reduce energy consumption. I

am willing to pay higher rates to fund programs that will help me lower my energy use and my electric bills. I am supportive of the program to invest in efficiency and renewable energy for K-12 schools. Eliminating the upfront costs for schools will remove a significant barrier for schools investing in renewable energy, and the energy efficiency investments will help schools lower their electric bills.

Programs that provide rebates and technical assistance to electric utility customers who purchase energy efficient lighting, air conditioners, and other equipment or invest in measures in their home, office, or other buildings that result in reductions in energy use are all good investments for the future and are necessary for reducing our energy load in Arizona. I also would like to see programs to help reduce the urban heat island effect through shading, cool roofs, and cool pavements. As an APS customer, these are programs that will benefit me by helping lower my electric bills.

I also support measures to provide technical assistance and financial incentives for businesses and schools that increase their energy efficiency, as well as design assistance and incentives for builders who construct efficient homes and buildings. Any efficiency program

should include grants for weatherizing low-income housing -- rental and owner-occupied.

Thank you for considering my comments as you make your decisions about increasing energy efficiency in Arizona.

Sincerely,

Mrs Karen Johnson

Phoenix, AZ 85022-2611

End of Complaint

Utilities' Response:

Investigator's Comments and Disposition:

Opinion docketed.

End of Comments

Date Completed: 8/12/2009

Opinion No. 2009 - 81123

E 00000J - 08-0314
G 00000C - 08-0314

ARIZONA CORPORATION COMMISSION
UTILITY COMPLAINT FORM

Investigator: Brad Morton

Phone: [REDACTED]

Fax: [REDACTED]

Priority: Respond Within Five Days

Opinion No. 2009 - 81122

Date: 8/12/2009

Complaint Description: 08E Rate Cases Items - In Favor
N/A Not Applicable

Complaint By: First: Last:
Nancy Mcalister

Account Name: Nancy Mcalister Home: (602) 000-0000

Street: [REDACTED] Work:

City: Phoenix CBR:

State: AZ Zip: 85015 is:

Utility Company: Miscellaneous Electric

Division: Electric

Contact Name: Unknown

Contact Phone: (000) 000-0000

Nature of Complaint:

THROUGH COMMISSIONER NEWMAN

Docket No E 00000J-08-0314 / G-00000C-08-0314

From: Sierra Club Membership Services [REDACTED]

Sent: Friday, August 07, 2009 11:20 AM

To: Newman-Web

Subject: Promote a Clean Energy Future for Arizona

Aug 7, 2009

Commissioner Paul Newman
1200 W. Washington St.
Phoenix, AZ 85007

Dear Commissioner Newman,

Re: Docket Numbers E-00000J-08-0314, G-00000C-08-0314, and
E-01345A-08-0172

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ARIZONA CORPORATION COMMISSION
UTILITY COMPLAINT FORM

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mitigating the heat island effect can all reduce energy consumption. I

am willing to pay higher rates to fund programs that will help me lower my energy use and my electric bills. I am supportive of the program to invest in efficiency and renewable energy for K-12 schools. Eliminating the upfront costs for schools will remove a significant barrier for schools investing in renewable energy, and the energy efficiency investments will help schools lower their electric bills.

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I also support measures to provide technical assistance and financial incentives for businesses and schools that increase their energy efficiency, as well as design assistance and incentives for builders who construct efficient homes and buildings. Any efficiency program

should include grants for weatherizing low-income housing – rental and owner-occupied.

Thank you for considering my comments as you make your decisions about increasing energy efficiency in Arizona.

Sincerely,

Ms. Nancy Mcalister

Phoenix, AZ 85015-4719

End of Complaint

Utilities Response: [REDACTED]

Investigator's Comments and Disposition:

Opinion docketed.

End of Comments

Date Completed: 8/12/2009

Opinion No. 2009 - 81122
